

DEC. 03 2001

FORM PTO-1449 (Modified)  
 LIST OF PATENTS AND PUBLICATIONS FOR  
 APPLICANT'S INFORMATION DISCLOSURE  
 STATEMENT (Use several sheets if necessary)

Attorney Docket No.: 16770-004400US	Application No.: 09/812,755
Applicant: Joseph P. Loeffler	
Filing Date: March 20, 2001	Group: 3761

Reference Designation                    U.S. PATENT DOCUMENTS                    Page 1

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
AA	2,101,304	12/37	Wright	120	50	
AB	2,158,615	05/39	Wright	120	50	
AC	2,187,528	01/40	Wing	120	50	
AD	2,223,541	12/40	Baker	120	50	
AE	2,266,706	12/41	Fox et al.	128	173	
AF	2,283,333	05/42	Martin	120	50	
AG	2,292,381	08/42	Klagges	120	50	
AH	2,360,297	10/44	Wing	120	52	
AI	2,375,770	05/45	Dahlberg	120	52	
AJ	2,404,063	07/46	Healy	120	51	
AK	2,430,023	11/47	Longmaid	120	52	
AL	2,474,996	07/49	Wallis	120	52	
AM	2,512,004	06/50	Wing	120	52	
AN	2,521,657	09/50	Severy	120	50	
AO	2,779,623	03/51 01/1957	Eisenkraft	299	1	
AP	2,681,041	06/54	Zodtner et al.	120	50	
AQ	2,935,970	05/60	Morse et al.	120	52	
AR	3,411,854	11/68	Rosler et al.	401	227	
AS	3,558,052	01/71	Dunn	293	3	
AT	3,738,574	06/73	Guntersdorfer et al.	239	102	
AU	3,790,079	02/74	Berglund et al.	239	3	
AV	3,804,329	04/74	Martner	239	4	
AW	3,812,854	05/74	Michaels et al.	128	194	
AX	3,950,760	04/76	Rauch et al. Hse-dore Stromberger et al.	346	140	
AY	3,958,249	05/76	DeMaine et al.	346	1	
AZ	3,983,740	10/76	Danel	73	12	
BA	3,993,223	11/76	Welker, III et al.	222	107	
BB	4,005,435	01/77	Lundquist et al.	346	1	
BC	Des. 246,574	12/77	Meierhoefer	D9	67	
BD	4,119,096	10/78	Drews	128	194	
BE	Des. 249,958	10/78	Meierhoefer	D24	56	

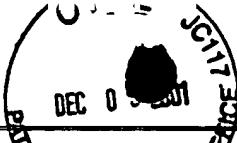
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		Filing Date: March 20, 2001		Group: 3761		
CM	4,620,201	10/86	Heinzl et al.	346	140 R	
CN	4,628,890	12/86	Freeman	123	593	
CO	4,632,311	12/86	Nakane et al.	239	101	
CP	4,659,014	04/87	Soth et al.	239	102.2	
CQ	4,681,264	07/87	Johnson Jr.	239	589.1	
CR	4,702,418	10/87	Carter et al.	239	101	
CS	4,722,906	2/88	Guire	436	501	
CT	4,753,579	06/88	Murphy	417	322	
CU	4,790,479	12/88	Matsumoto et al.	239	102.2	
CV	4,793,339	12/88	Matsumoto et al.	128	200.16	
CW	4,796,807	01/89	Bendig et al.	239	102.2	
CX	4,799,622	01/89	Ishikawa et al.	239	102.2	
CY	4,826,759	05/89	Guire et al.	435	4	
CZ	4,828,886	05/89	Hieber	427	422	
DA	4,850,534	07/89	Takahashi et al.	239	102.2	
DB	4,865,006	09/89	Nogi et al.	123	590	
DC	4,877,989	10/89	Drews et al.	310	323	
DD	4,888,516	12/89	Daeges et al.	310	323	
DE	4,968,299	11/1990	Ahlstrand et al	604	90	
DF	4,973,493	11/90	Guire	427	2	
DG	Des. 312,209	11/90	Morrow et al.	D9	371	
DH	4,976,259	12/90	Higson et al.	128	200.18	
DI	4,979,959	12/90	Guire	623	66	
DJ	4,994,043	02/1991	Ysebaert	604	191	
DK	5,002,582	03/91	Guire et al.	623	66	
DL	5,021,701	06/91	Takahashi et al.	310	345	
DM	5,063,396	11/91	Shiokawa et al.	346	140 R	
DN	5,063,922	11/91	Hakkinen	128	200.16	
DO	5,073,484	12/91	Swanson et al.	435	7.92	
DP	5,076,266	12/91	Babaev	128	200.16	
DQ	5,080,649	01/1992	Vetter	604	91	
DR	5,115,803	05/92	Sioutas	128	200.23	
DS	Des. 327,008	06/92	Friedman	D9	521	



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DT	5,139,016	08/92	Waser	128	200.16	
DU	5,152,456	10/92	Ross et al.	239	102.2	
DV	5,164,740	11/92	Irvi	346	1.1	
DW	5,170,782	12/92	Kocinski	128	200.16	
DX	5,180,482	01/93	Abys et al.	205	224	
DY	5,186,164	02/1993	Raghuprasad	128	200.14	
DZ	5,186,166	02/1993	Riggs et al.	128	203.15	
EA	5,198,157	03/93	Bechet	264	9	
EB	5,217,492	06/93	Guire et al.	623	11	
EC	5,258,041	11/93	Guire et al.	623	66	
ED	5,261,601	11/93	Ross et al.	239	102.2	
EE	5,263,992	11/93	Guire	623	66	
EF	5,297,734	03/94	Toda	239	102.2	
EG	5,299,739	04/94	Takahashi et al.	239	102.2	
EH	5,312,281	05/94	Takahashi et al.	446	25	
EI	5,320,603	06/1994	Vetter et al	604	82	
EJ	5,342,011	08/94	Short	248	318	
EK	5,347,998	09/94	Hodson et al.	128	200.23	
EL	5,414,075	05/95	Swan et al.	568	333	
EM	5,415,161	05/95	Ryder	128	200.23	
EN	5,431,155	07/95	Marelli	128	200.14	
EO	5,435,282	07/95	Haber et al.	128	200.16	
EP	5,452,711	09/95	Gault	128	200.14	
EQ	Des. 362,390	09/95	Weiler	D9	520	
ER	5,458,135	10/95	Patton et al.	128	200.14	
ES	5,477,992	12/95	Jinks et al.	222	402.2	
ET	5,487,378	01/96	Robertson et al.	128	200.16	
EU	5,489,266	02/96	Grimard	604	82	
EV	5,512,329	04/96	Guire	427	508	
EW	5,512,474	04/96	Clapper et al.	435	240.243	
EX	Des. 369,212	04/96	Snell	D24	117	
EY	5,515,841	05/96	Robertson et al.	128	200.16	
FZ	5,515,842	5/96	Ramseyer et al.	128	200.18	

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DEC 03 2001

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			Filing Date: March 20, 2001	Group: 3761		
BF	4,159,803	07/79	Cameto et al.	239	102	
BG	4,226,236	10/80	Genese	604	89	
BH	4,226,236	10/1980	Genese	128	218M	
BI	4,240,081	12/80	Devitt	346	75	
BJ	4,261,512	04/81	Zierenberg	239	102	
BK	4,268,460	05/81	Bojarski et al.	261	1	
BL	Des. 259,213	05/81	Pagels	D9	370	
BM	4,294,407	10/81	Reichl et al.	239	102	
BN	4,300,546	11/81	Kruber	128	200	
BO	4,301,093	11/81	Eck	261	1	
BP	4,298,045	11/81	Weiler et al.	150	0.5	
BQ	4,334,531	06/82	Reichl et al.	128	200.14	
BR	4,336,544	06/82	Donald et al.	346	1.1	
BS	4,338,576	07/82	Takahashi et al.	331	67	
BT	4,368,476	01/83	Uehara et al.	346	140 R	
BU	4,389,071	06/83	Johnson, Jr. et al.	299	14	
BV	4,408,719	10/83	Last	239	102	
BW	4,431,136	02/84	Janner et al.	239	102	
BX	4,454,877	06/84	Miller et al.	128	200.21	
BY	4,465,234	08/84	Maehara et al.	239	102	
BZ	4,474,251	10/84	Johnson Jr.	175	67	
CA	4,474,326	10/84	Takahashi	239	102	
CB	4,475,113	10/84	Lee et al.	346	1.1	
CC	4,479,609	10/84	Maeda et al.	239	102	
CD	4,530,464	07/85	Yamamoto et al.	239	102	
CE	4,533,082	08/85	Maehara et al.	239	102	
CF	4,539,575	09/85	Nilsson	346	140 R	
CG	4,544,933	10/85	Heinzl	346	140 R	
CH	4,546,361	10/85	Brescia et al.	346	140 R	
CI	4,550,325	10/85	Viola	346	140 R	
CJ	4,591,883	05/86	Isayama	346	140 R	
CK	4,593,291	06/86	Howkins	346	1.1	
CL	4,605,167	08/86	Maehara	239	102	



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Group: 3761

FA	5,518,179	05/96	Humberstone et al.	239	102.2		
FB	5,529,055	06/96	Gueret	128	200.16		
FC	5,533,497	07/96	Ryder	128	200.21		
FD	5,563,056	10/96	Swan et al.	435	180		
FE	Des. 375,352	11/96	Bologna	D24	115		
FF	5,579,757	12/96	McMahon et al.	128	200.21		
FG	5,586,550	12/96	Ivri et al.	128	200.16		
FH	5,601,077	02/97	Imbert	128	200.14		
FI	5,637,460	06/97	Swan et al.	435	6		
FJ	5,654,007	08/97	Johnson et al.	424	489		
FK	5,654,162	08/97	Guire et al.	435	7.92		
FL	5,654,460	08/97	Rong	556	472		
FM	5,665,068	09/97	Takamura	604	90		
FN	5,692,644	12/97	Gueyet	222	80		
FO	5,707,818	01/98	Chudzik et al.	435	7.93		
FP	5,714,360	02/98	Swan et al.	435	174		
FQ	5,714,551	02/98	Bezwada et al	525	411		
FR	Des. 392,184	03/98	Weiler	D9	302		
FS	5,744,515	04/98	Clapper	523	113		
FT	5,758,637	06/98	Ivri et al.	128	200.16		
FU	5,938,117	08/99	Ivri	239	4		
FV	5,954,268	09/99	Joshi et al.	239	34		
FW	6,007,518	12/99	Kriesel et al.	604	131		
FX	6,014,970	01/00	Ivri et al.	128	200.14		
FY	6,045,874	04/00	Himes	427	424		
FZ	6,085,740	07/0	Ivri et al.	128	200.16		
GA	6,096,011	08/00	Trombley, III et al.	604	256		
GB	6,106,504	08/00	Urrutia	604	251		
GC	6,205,999	03/01	Ivri et al.				
GD	6,235,177	05/01	Borland et al.				

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	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
GE	1,454,597	11/76	United Kingdom			
GF	0 049 636 A1	04/82	EPO			
GG	0 103 161 A2	03/84	EPO			no

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GH	0 134 847 A1	03/85	EPO		
GI	0 476 991 B1	03/15/95	EPO		
GJ	0 542 723 A2	05/93	EPO		
GK	973,458	10/64	Great Britain		
GL	57-23852	02/82	Japan		no
GM	57-105608	07/82	Japan		no
GN	58-61857	04/83	Japan		no
GO	58-139757	08/83	Japan		no
GP	60-4714 (A)	01/85	Japan		
GQ	61-8357 (A)	01/86	Japan		
GR	61-215059 (A)	09/86	Japan		
GS	2-135169	05/90	Japan		
GT	2-189161	07/90	Japan		
GU	WO 92/11050	07/92	PCT		
GV	WO 92/07600	05/14/92	PCT		
GW	WO 93/01404	01/93	PCT		
GX	WO 96/09229	03/28/96	PCT		
GY	WO 99/63946	12/99	PCT		
GZ	GB 2 073 616 A	10/81	UK		
HA	GB 2 177 623 A	01/87	UK		
HB	GB 2 240 494 A	08/91	UK		
HC	GB 2 272 389 A	05/18/94	UK		
HD	GB 2 279 571 A	01/11/95	UK		
HE	2 101 500	1/83	UK		
HF	477 885	10/69	Switzerland		no
HG	555 681	09/74	Switzerland		no
HH	0 178 925	04/86	EPO		
HI	2 692 569 A1	06/18/92	FR		

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HJ	Berglund, R.N., et al. Generation of Monodisperse Aerosol Standards. Environ. Sci. Technology 7:2:147 (1973).
HK	Allen, T. Particle Size Measurement. Chapman and Hall pp. 167-169 (1981).
HL	Ueha, S., et al. Mechanism of Ultrasonic Atomization Using a Multi-Pinhole Plate. J. Acoust. Soc. Jpn. (E) 6,1:21 (1985).

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HM	Maehara, N., et al. Influence of the Vibrating System of a Multipinhole-plate Ultrasoic Nebulizer on Its Performance. Review of Scientific Instruments, 57 (11), November 1986, pp. 2870-2876.		
HN	Maehara, N., et al. Optimum Design Procedure for Multi-Pinhole-plate Ultrasonic Atomizer. Japanese Journal of Applied Physics, 26:215 (1987).		
HO	Ashgriz, N., et al. Development of a Controlled Spray Generator. Rev. Sci. Instrum. 58(7):1291 (1987).		
HP	Hikayama, H., et al. Ultrasonic Atomizer with Pump Function. Tech. Rpt. IEICE Japan US88-74:25 (1988).		
HQ	J. Acoustical Soc. Japan 44:2:116 (1988).		
HR	J. Acoustical Soc. Japan 44:6:425 (1988).		
HS	Siemens AG, 1989, "INK-JET PRINTING: THE PRESENT STATE OF THE ART," by Wolfgang R. Wehl.		
HT	TSI Incorporated product catalog. Vibrating Orifice Aerosol Generator (1989).		
HU	Gaiser Tool Company catalog, pp. 26, 29-30 (19__).		
HV	Nogi, T., et al. Mixture Formation of Fuel Injection System in Gasoline Engine. Nippon Kikai Gakkai Zenkoku Taikai koenkai Koen Ronbunshu 69:660 (1991).		
HW	D.C. Cipolla et al., "Assessment of Aerosol Delivery systems for Recombinant Human Deoxyribonuclease," S.T.P. Pharma Sciences 4 (1) 50-62, 1994		
HX	D.C. Cipolla et al., "Characterization of Aerosols of Human Recombinant Deoxyribonuclease I (rhDNase) Generated by Jet Nebulizers," <u>Pharmaceutical Research</u> II (4) 491-498, 1994		
HY	I. Gonda, "Therapeutic Aerosols," <u>Pharmaceutics, The Sci. of Dosage Form Design</u> , M.E. Aulton, 341-358, 1988		
HZ	Anthony J. Hickey, "Pharmaceutical Inhalation Aerosol Technology," <u>Drugs And The Pharmaceutical Sciences</u> , (54) 172-173		
IA	J.A. Abys et al., "Annealing Behavior of Palladium-Nickel Al Electrodeposits," pp. 1-7.		
IB	"Palla Tech Pd an Pd Alloy Processes - Procedure for the Analysis of Additive IVS in Palla Tech Plating Solutions by HPLC," <u>Technical Bulletin, Electroplating Chemicals &amp; Services</u> , 029-A, Lucent Technologies, , pp. 1-5, 1996		
IC	M.C. Manning et al., "Stability of Protein Pharmaceuticals," <u>Pharmaceutical Research</u> 6, 903-918 (1989)		
ID	B.C. Hancock et al., "Molecular Mobility of Amorphous Pharmaceutical Solids Below Their Glass Transition Temperatures," <u>Pharmaceutical Research</u> 12, 799-806 (1995)		
EXAMINER	DATE CONSIDERED		30 Dec 01

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AA	809,159	01/02/1906	Willis et al.				
AB	2,383,098	08/21/1945	Wheaton				
AC	4,101,041	07/18/1978	Mauro, Jr. et al.				
AD	4,964,521	10/23/1990	Weiland et al.				
AE	5,213,860	05/25/1993	Laing				
AF	5,819,730	10/13/1998	Stone et al.				
AG	5,878,900	03/09/1999	Hansen				
AH	5,897,008	04/27/1999	Hansen				
AI	6,068,148	05/30/2000	Weiler				

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## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)


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